To find next integer

Program:

#include <stdio.h>

#include <math.h>

int main()

{

long n, t, r = 0, c, d;

printf("Enter an integer\n");

scanf("%ld", &n);

while (1)

{

n++;

t = n;

while(t)

{

r = r\*10;

r = r + t%10;

t = t/10;

}

if (r == n)

{

d = (int)sqrt(n);

for (c = 2; c <= d; c++)

{

if (n%c == 0)

break;

}

if (c == d+1)

break;

}

r = 0;

}

printf("%ld\n",n);

return 0;

}